

1 CEMENTITIOUS COMPOSITIONS AND CEMENTITIOUS SLURRIES
2 FOR PERMANENTLY PLUGGING ABANDONED WELLS AND
3 PROCESSES AND METHODS THEREFOR

4 ABSTRACT OF THE DISCLOSURE

5 A dry cementitious composition which when slurried with
6 water produces an economical hydraulic cementitious slurry
7 for closing abandoned wells. The dry cementitious
8 composition is a cement/CKD blend as the major component
9 with a weight ratio of parts cement to parts of CKD between
10 about 2/3 and about 3/1. Hydraulic cementitious slurries
11 when cured can produce hard cementitious bodies which will
12 meet or exceed the API specification for a competent hard
13 plug. A process for blending the cement and CKD during
14 transit from the cement source to the off-load site without
15 requiring further blending after off-loading. Methods are
16 provided for determining the formulation having the cheapest
17 cost per unit volume of hydraulic cementitious slurry
18 thereby enabling competitive quotes based on cf of hydraulic
19 cementitious slurry required.

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